Coastal Pollutant Remediation Grant Program Informational Webinar

Welcome to the Webinar!

Please introduce yourself in the chat box (name and affiliation)

During the presentation, please type any comments or questions into the chat box

There will be more time after the presentation to unmute yourself and ask questions or discuss project ideas

This webinar will be recorded, the recording and presentation pdfs will be available on the grant program pages after April 12



















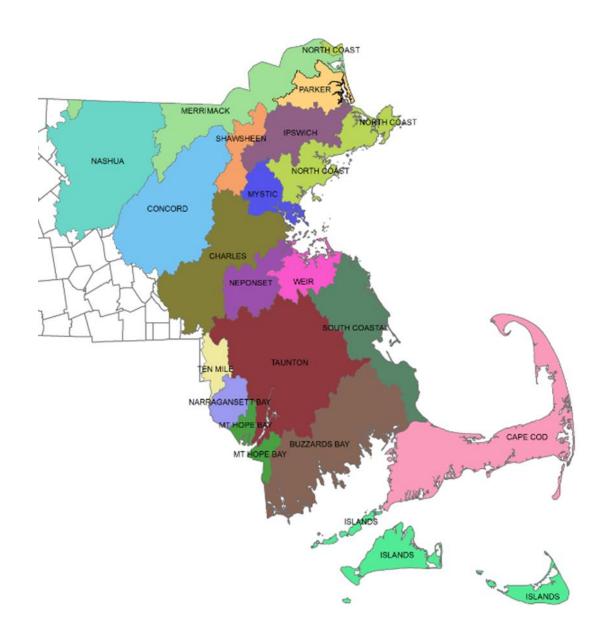
Coastal Pollutant Remediation Grant Program

- Established in 1996
- Overall goal to protect and improve coastal water quality and habitat
- > \$12 million awarded
- Construction of over 150 stormwater best management practices (BMPs)
- Nine commercial boat waste pumpout facilities (construction or repair/upgrade)



CPR Eligible Communities

- Municipalities in the coastal watershed (>200)
 - Partnerships encouraged
- Demonstrate both:
 - Impairment to local waters or impact to coastal resource
 - Direct connection to coastal waters
- Construction on publicly-owned lands
- Municipal Vulnerability Preparedness (MVP) bonus
- Environmental Justice



Eligible Projects

Assessment and Monitoring

Design and Permitting

Construction

Capacity Building

Eligible Projects - Assessment

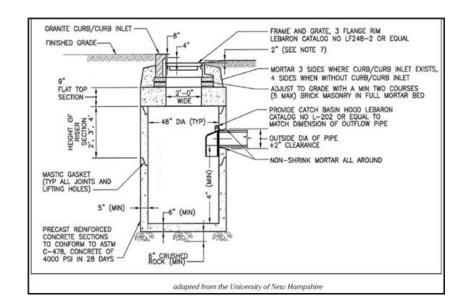
- Assessment, identification, and characterization of stormwater or commercial boat waste pollution:
 - physical evaluation of drainage areas
 - land-use characterization
 - water quality testing at instream and outfall locations
 - investigation of the appropriate type and placement of stormwater best management practices (BMPs) or boat pumpout facilities
- The proposal should demonstrate some clear basis, such as preliminary data, to support further work





Eligible Projects – Design and Construction

- Design, permitting, and implementation of:
 - BMPs to remediate runoff from paved or unpaved roads, bridges, and municipal parking lots
 - Commercial boat waste pumpout facilities to reduce or eliminate pollution discharged from vessel holding tanks
- Target contaminants include but are not limited to bacteria and nutrients





Eligible Projects - Capacity Building

- Encourage the use of green infrastructure & ensure long-term maintenance and function
- Development of local stormwater or low impact development bylaws/ordinances.
- Green infrastructure operations & maintenance trainings for municipal staff
- Guidance documents or case studies of successful projects

*Public outreach and BMP signage cannot be funded by CPR, but can be used as match



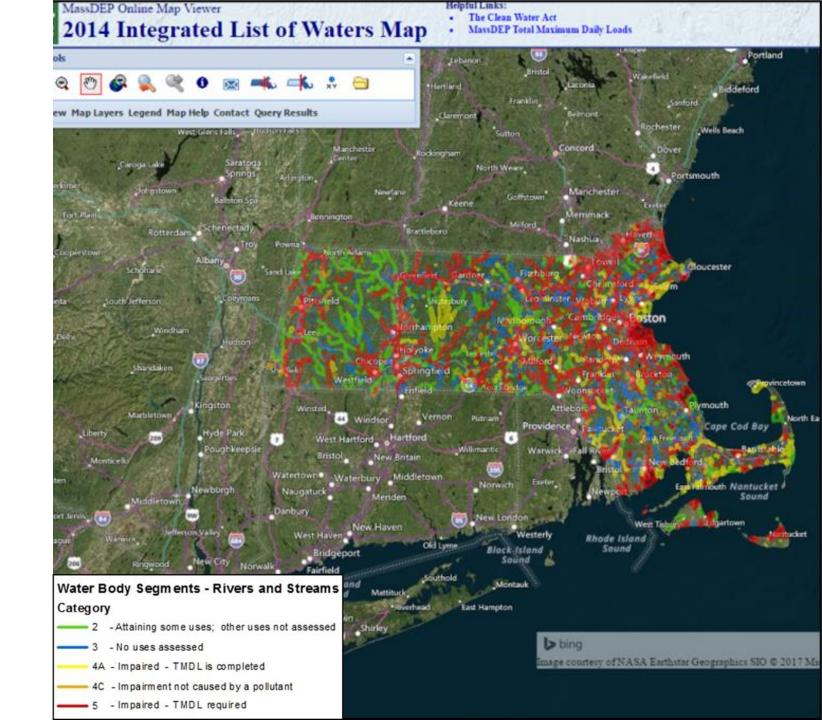
Green Infrastructure Maintenance Training
Three Bays Project, Barnstable Fall 2019
Association to Preserve Cape Cod & Horsley Witten Group

Goals



CPR Goals: Water Quality

 Remove waters from MassDEP's integrated list of (impaired) waters



CPR Goals: Shellfish

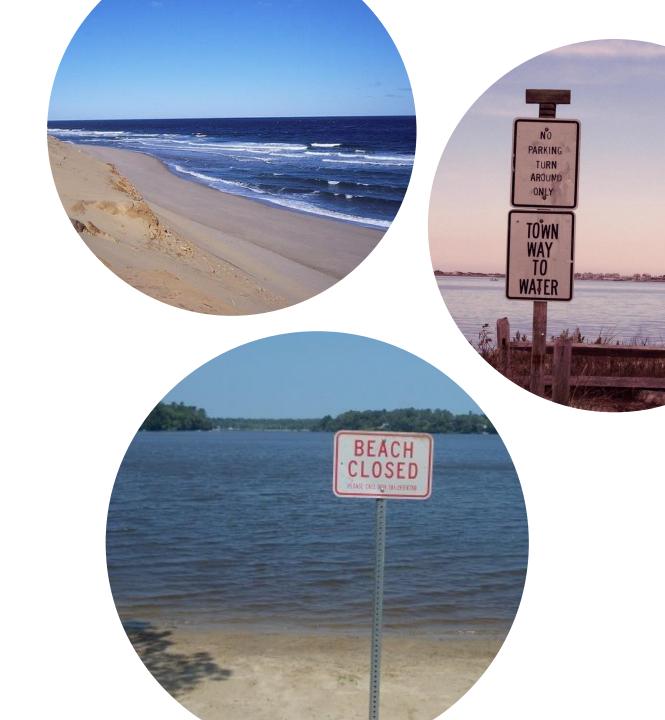
• Preserve or expand opportunities for shellfish harvesting, re-open or reduce limits on shellfish collection



CPR Goals: Beaches

 Reduce or eliminate instances of beach closures due to elevated bacteria

Illicit detection, septic, or sewer related activities not eligible





CPR Goals: Diadromous Fish

 Increase or protect habitat for diadromous fish, including freshwater portions, and areas which historically supported fish runs CPR Goals: Coastal Habitat

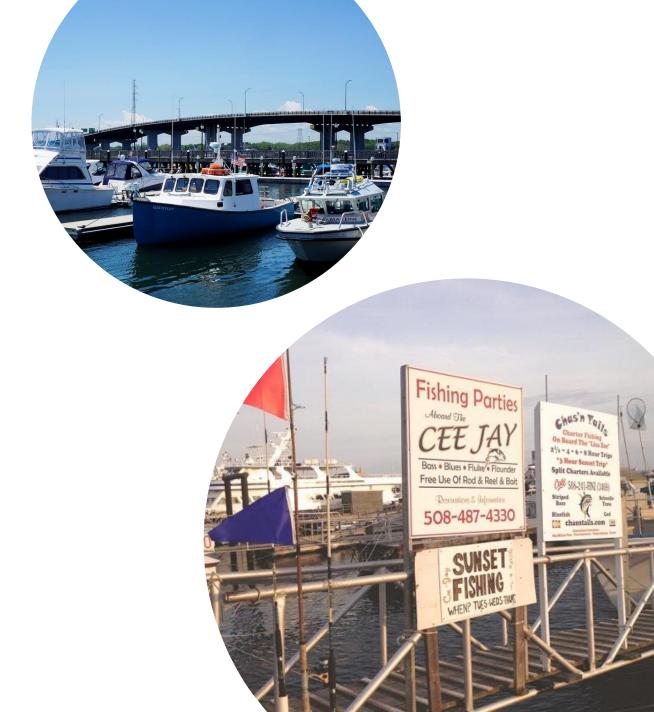
 Protect and/or improve condition of coastal habitats such as salt marshes and eelgrass beds through increased water quality

 Improve water quality in waterbodies subject to eutrophication (low oxygen availability, algae blooms, and reduced water clarity) and acidification from nutrient inputs



CPR Goals: Commercial Pumpouts

 Design and construct commercial boat-waste pumpout facilities to support compliance with the statewide No Discharge Zone



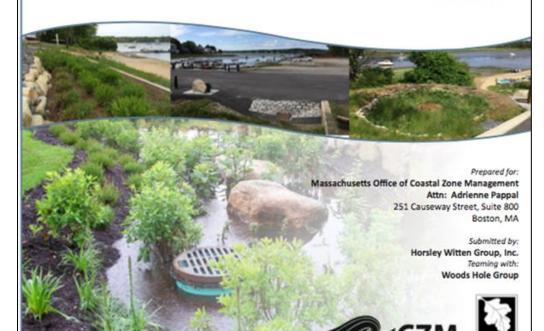
CPR Goals: Climate Resiliency

- Site and design stormwater BMPs to increase treatment effectiveness and long-term resilience to climate change impacts
 - Increased Precipitation & Drought
 - Increased Storms
 - Sea Level Rise
 - Groundwater Table Rise



Assessment of Climate Change Impacts on Stormwater BMPs and Recommended BMP Design Considerations in Coastal Communities

December 2015



CPR Priorities: Operations & Maintenance

- Demonstrate the capacity for long-term O&M
 - Include DPW staff in all phases
 - Equipment
 - Maintenance records
 - O&M Plan and Training





Project Examples



Arlington



- In partnership with Mystic River Watershed Association
- Lexington (2021)
- Target Pollutant: Phosphorous
- Goal: Diadromous Fish, Water Quality
- Waterbody: Mystic River Watershed

Year (Award)	Туре	Constructed BMPs
2020 (\$135,000)	Construction	Rain gardens, Infiltration trenches
2021 (\$184,774)	Construction	Infiltration trenches

Salem



• Target Pollutants: Nutrients, Bacteria

• Goal: Diadromous Fish, Water Quality

• Waterbody: North River/Salem Sound



Year (Award)	Project Type	Constructed BMPs
2013 (\$41,350)	Assessment, BMP Prioritization, Designs	
2016 (\$196,000)	Construction	Bioretention, FocalPoint, Catch Basin Insert
2017 (\$79,000)	Designs & Permitting	
2019 (\$200,000)	Construction , Assessment	Bioretention, Swale, FocalPoint, Catch Basin Insert
2021 (\$45,100)	Capacity Building	

Barnstable

- In partnership with the Association to Preserve Cape Cod
- Target Pollutants: Nutrients, Bacteria
- Goal: Shellfish, Beaches, Water Quality
- Waterbody: Three Bays Watershed



Credit:	Gerald	Beetham

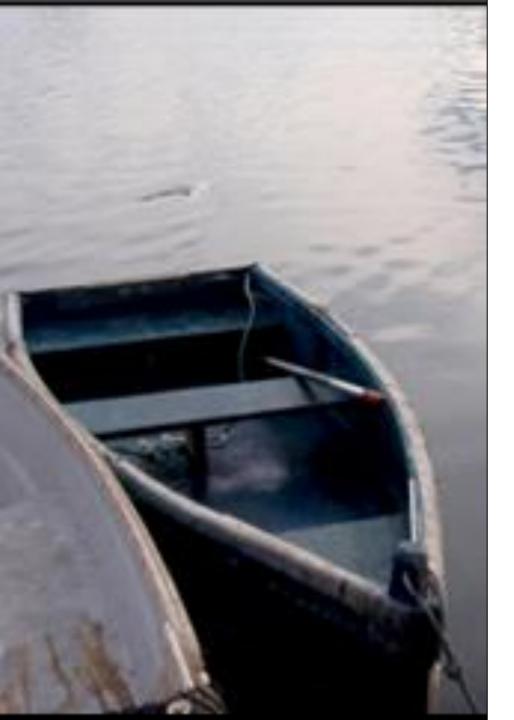
Year (Award)	Project Type	Constructed BMPs
2018 (\$59,014)	Design	
2019 (\$209,000)	Design & Permitting of 2 Priority Locations, Construction	Gravel Wetland
2020 (\$223,291)	Final Designs & Construction	Bioretention and Dry Swales
2021 (\$173,256)	Construction	Dry Swales

CPR: Application

- Clearly connect the solution to the problem
 - Link to habitat goals
 - Proposed BMP suitable for impairment of concern
- Show rationale for location selection
- Work within the timeline
- Set up for multiple grants
 - Assessment -> Design -> Construction
 - 604b, 319, etc.
 - Check on match
- Operation and Maintenance commitment







CPR FY22 Logistics

- Funding Levels (FY21)
 - Up to \$500k
 - \$175k max (construction)
- Applicants must provide at least 25% of the total project cost as match
- Link to RFR posted on CPR grant page
 - www.commbuys.com/bso/
- Email adrienne.pappal@mass.gov to receive an announcement when RFR is posted
- Electronic submission only

CPR FY22 Logistics: Estimated Timeline

- RFR this spring
- Two-week Q&A period
 - e-mail only
- Proposals due early June
- Contracting September
- June 30, 2022
 - All tasks must be completed







Tools & Resources

- Stormwater funding opportunities
 - www.mass.gov/service-details/available-funding-for-stormwaterprojects-in-massachusetts
- CZM Grant Viewer (CPR 2014-present)
 - www.mass.gov/service-details/czm-grant-viewer
- EPA and MassBays Green Infrastructure Handbook
 - www.mass.gov/eea/docs/mbp/publications/massbays-greeninfrastructure-handbook.pdf
- MassDEP Stormwater Handbook Volume 2
 - www.mass.gov/guides/massachusetts-stormwater-handbook-andstormwater-standards
- EPA How's my Waterway
 - https://mywaterway.epa.gov/

Thank you!

Massachusetts Office of Coastal Zone Management

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